

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Currently Amended) A supply chain transaction network, comprising:

a customer maintenance system into which ~~information pertaining to~~ a work order is entered including information that identifies a piece of equipment to be repaired and one or more items expected to be used during a repair procedure;

a customer agent server in communication with the customer maintenance system which extracts from the work order in the customer maintenance system the information that identifies at least the items expected to be used during the repair procedure ~~pertaining to the scheduled maintenance activities from the customer maintenance system~~ to create an advance demand notice order for that identifies the items; and

a distributor system in communication with the customer agent server which responds to a receipt of the advance demand notice order that was created using the information extracted from the work order to initiate a staging of the items within a ~~the~~ supply chain to meet an expected use of the items during the repair procedure.

2. (Original) The supply chain transaction network as recited in claim 1, further comprising a supplier system that cooperates with the distributor system by supplying into the supply chain the items expected to be used during the repair procedure or replenishing within the supply chain the items staged in response to the receipt of the advance demand notice.

3. (Original) The supply chain transaction network as recited in claim 1, wherein the customer maintenance system comprises a computerized maintenance management system.
4. (Original) The supply chain transaction network as recited in claim 1, wherein the customer maintenance system comprises an enterprise asset management system.
5. (Original) The supply chain transaction network as recited in claim 1, wherein the customer agent server comprises an intelligent agent that extracts the information from the customer maintenance system in response to a user entering or modifying a work order.
6. (Original) The supply chain transaction network as recited in claim 1, wherein the distributor system comprises an advance demand intelligent agent that accepts the advance demand notice order from the customer agent server and that uses the advance demand notice order to determine a fulfillment plan for the items.
7. (Original) The supply chain transaction network as recited in claim 1, wherein the distributor system comprises an intelligent agent that determines the probability that each item specified in the advance demand notice will be needed during the repair procedure for use in staging the items within the supply chain.
8. (Original) The supply chain transaction network as recited in claim 1, wherein the distributor system comprises an intelligent agent that determines sourcing alternatives for each item for use in staging the items or item alternatives within the supply chain.

9. (Original) The supply chain transaction network as recited in claim 1, further comprising a transportation agent system in communication with the distributor system that coordinates with the distributor system to assist in moving the items within the supply chain.

10. (Original) The supply chain transaction network as recited in claim 9, wherein the distributor system comprises an intelligent agent in communication with the transportation agent system that monitors movement of the items within the supply chain.

11. (Original) The supply chain transaction network as recited in claim 2, wherein the distributor system comprises an intelligent agent in communication with the supplier system that monitors movement of the items within the supply chain.

12. (Currently Amended) The supply chain transaction network as recited in claim 10, wherein the intelligent agent forms a corrective fulfillment plan if the intelligent agent determines that the items are not being moved within the supply chain to meet the expected use of the items during the repair procedure ~~as desired~~.

13. (Original) The supply chain transaction network as recited in claim 1, wherein the distributor system comprises an equipment knowledge base for use in determining the probability of need for each item for use in staging the items within the supply chain.

14. (Original) The supply chain transaction network as recited in claim 13, wherein the

customer agent server extracts information from the customer maintenance system for populating the equipment knowledge base, the information being used in determining the probability of need of items specified in future work orders.

15. (Original) The supply chain transaction network as recited in claim 1, further comprising a collaborative network and wherein the distributor system comprises an intelligent agent for monitoring the collaborative network.

16-22. (Canceled)